

PICTURE STORAGE COMMUNICATION SYSTEM

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ABSTRACT

PURPOSE: To simplify the hardware constitution of a work station by outputting respective pictures of reversible compression and non-reversible compression stored in storage means to the work station after irreversible extension in a data base.

CONSTITUTION: The pictures from a medical diagnosis device 1, which are reversibly compressed by a compression means 5, are sequentially stored in a storage means 6. When the pictures stored in the storage means 6 become inactive or when they become full, a part of them are reversibly compressed as they are in accordance with the control operation of a selection means 8 and the remaining are reversibly extended and are irreversibly compressed by an extension means 12. Then, they are stored in a storage means 7 after a compression means 13 non-reversibly compresses them. When there is a read request from the work station 3, an extension means 10 or 11 reversibly extends or irreversibly extends the pictures and they are outputted to the work station. Thus, hardware for reversible extension and irreversible extension in the work station, which is conventionally required, can be eliminated.

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MEDICAL PICTURE CONTROLLER

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ABSTRACT

PURPOSE: To retrieve the medical pictures at a high speed by dividing a storage area into pieces for a key picture, total pictures including the key picture, and a remaining picture excluding the key picture respectively and at the same time producing the directories for each stored picture and its position in each storage area to store the pictures.

CONSTITUTION: A key picture is designated and temporarily stored in a magnetic disk 1d of a picture work station 1, and a picture 22 added with a key picture 21a is recorded to an optical disk library 2 via an optical disk library control part 1e. The disk 1d includes a key picture directory Kdir and a total picture directory Tdir and record a specific area of a specific optical disk where each picture is stored. When a key picture of a specific patient is needed, the ID number of the patient is inputted via a picture work station 1. Thus the directory Kdir of the key picture of the patient recorded in the Kdir is displayed on a picture display device of the station 1. In such a constitution, a medical pictures can be retrieved at a high speed.

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